

DRILLER

DEFINITION: Under general supervision, performs technical work of moderate difficulty with responsibility for water well drilling operations; performs related work as assigned.

ESSENTIAL FUNCTIONS: This list is ILLUSTRATIVE ONLY and is not a comprehensive listing of all functions and tasks performed by incumbents of this class.

TASKS:

Performs water well drilling activities; sets up and operates drill rigs in accordance with master blueprints, specifications and schematics; serves as crew leader on most water drilling operations; assigns crew to designated work stations; checks equipment prior to operation for proper assembly and conformance with prescribed safety standards; plans transportation of drilling equipment to and from work locations; maintains a daily activity log, records and files; plans, instructs and supervises crew in well rehabilitation, drilling techniques and methods; demobilizes drilling equipment.

Obtains drill samples; examines sample and estimates water and moisture content; tests soil for weight and viscosity; supervises and participates in repair and maintenance of drilling rigs and components including engines, pumps, electrical generators and welding apparatus; installs windmill assembly; assists in construction of other water development projects including waterlines, irrigation, water systems, dams, storage tanks and natural springs.

Performs maintenance work related to welding, sandblasting, and painting according to specifications; cleans up of work area; prepares requisitions for supplies or equipment; attends in-service and related training; secures all equipment and tools.

KNOWLEDGE, SKILLS AND OTHER CHARACTERISTICS:

Knowledge of federal, state and Navajo Nation rules, regulations, and guidelines related to the drilling of water wells.

Knowledge of geological and soil issues related to drilling.

Knowledge of occupational safety and health rules, regulations and guidelines.

Knowledge of environmental protection rules, regulations and guidelines.

Knowledge of supervisory and/or lead methods and practices.

Knowledge of inventory control and purchasing.

Knowledge of water and soil sampling.

Skill in safely transporting and operating a variety of heavy equipment, materials, supplies and trucks.

Skill in utilizing a variety of hand and power tools related to construction and maintenance work.

Skill in assigning, reviewing and instructing less experienced workers.

Skill in following verbal and written instructions, geological specifications and diagrams.

Skill in following safety practices and procedures related to construction work sites.

Skill in establishing and maintaining effective working relationships.

PHYSICAL REQUIREMENTS AND WORK ENVIRONMENT: Work requires extended periods of exposure to weather extremes, chemicals, and fumes; work also requires lifting (100 pounds), climbing, stooping, bending, and working in confined spaces or at heights over 60 feet; and driving vehicles in all types of weather and road conditions.

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MINIMUM QUALIFICATIONS:

- A high school diploma or GED; and four (4) years of experience in the operation and maintenance of water well drilling and equipment.

PREFERRED QUALIFICATIONS:

- Certification in water related drilling.

SPECIAL REQUIREMENTS:

- Possess a valid Commercial Driver's License (CDL) with class B endorsement and Certified Heavy Equipment Operator.

Supplemental Requirements:

Incumbent must obtain a Navajo Nation Vehicle Operator's Permit within 90 days of date of hire. Other certifications may be required depending on area of assignment.

Depending upon the needs of the Nation, some incumbents of the class may be required to demonstrate fluency in both the Navajo and English languages as a condition of employment.